

So good it almost worried us.

If we didn't have such good condenser microphones, we'd be worried. Because when it comes to performance, the MD 441 doesn't leave much to be desired. Especially when you consider it's *not* a condenser microphone.

The MD 441



The response curve may leave you uncertain, however. Smooth and wide, extending from 40 to 20,000 Hz. And a super-cardioid directional pattern whose traces at various frequencies look like an Olympic skater doing "school figures".

The MD 441. Beauty more than skin-

deep. Our design goal was ambitious: a microphone to satisfy performers and engineers alike.

With remarkably critical reproduction . . . yet remarkably *non-critical* in use.

One major problem: mechanical noise. While super-cardioid directionality is extremely desirable, previous dynamics of this type could not be hand-held because of mechanical noise and vibration conducted through the housing. However, in the MD 441, the problem is solved with a *double* housing. The microphone element, in an inner housing isolated by means of a compliant suspension, is shielded from mechanically conducted noise. Bringing studio 'quiet' into the performer's hand.

Depth. Presence. And absence. To make the MD 441 even more practical and flexible, we added three more features. The first two are presence and bass switches, which offer a 5 dB boost at 5 kHz and five-position attenuation, respectively, to selectively enhance vocals and instrumentals, while preventing overemphasis of low frequencies. And, to provide optimum close-miking, the MD 441 features an absence of pops and proximity effect, due to its novel pressure-gradient design and integral windscreen.

We could tell you more about the remarkable new MD 441 dynamic microphone. But if it's good enough to almost worry *us*, using it will likely delight you.

SENNHEISER
ELECTRONIC CORPORATION

10 West 37th Street, New York, N.Y. 10018

Technical Description

The MD 441 dynamic microphone is a pressure-gradient receiver of advanced design, featuring high directionality and wide response.

The directional pattern is super-cardioid, virtually identical at frequencies of 250, 500, 1000, 2000, 4000 and 8000 Hz, featuring a high front-to-back ratio and no side lobes.

The microphone exhibits a high degree of insensitivity to mechanical noise caused by rubbing the housing against foreign objects, and stronger shocks. This is facilitated by means of a double hous-

ing. The inner housing, containing the microphone element, is isolated from the outer housing by means of a highly compliant suspension, a principle proven in the earlier Sennheiser 214 lavalier microphone. To reduce pops and wind noise, the microphone is equipped with an integral internal wind-screen, sufficient for most applications.

The MD 441 also features a built-in brilliance boost switch, providing a response rise that begins at 2000 Hz and is nominally +5 db at 5 kHz, referred to the 1000 Hz level.

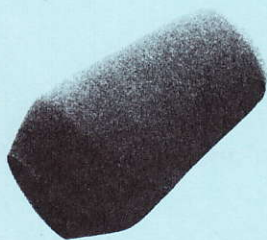
Especially suitable for hand-held applications, the MD 441 has highly linear response throughout the 40-20k Hz range, making it especially suitable for recording and performing applications where a combination of high directionality and extended response are desirable.

In tests, the MD 441 was subjected to sound pressure levels greatly exceeding the human pain threshold. While in some cases, the preamplifier overloaded, in no case did the microphone clip.

Specifications

Frequency Response	40-20,000 Hz
Acoustic Mode of Operation	pressure gradient
Directional Characteristic	super-cardioid
Front-to-Back Ratio	
@ 1000 Hz, 130° off-axis	20 db - 3 db
Sensitivity (1 kHz)	0.2 mV/ubar \pm 3 db
Impedance (1 kHz)	200 ohm
Brilliance Switch	5 db boost nominal @ 5 kHz
Bass Switch	Variable, five-position attenuation -
Connector	XLR
Connections	1 - ground; 2, 3 - signal
Sensitivity to	
Magnetic Fields	5 uV/mG
Dimensions	1.3" H x 1.4" W x 9.6" L
Weight	15 oz.

Accessories



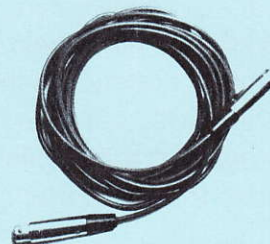
Windscreen MZW 441

Foam windscreen especially designed for the MD 441.



Microphone Stand MZT 441

Heavy, die-cast base attaches to quick-release clamp and swivel supplied with the MD 441. Swivel mount has standard 5/8" thread.



MC 22 Cable

Fifteen-foot flexible double-shielded cable with XLR connectors at both ends.

Available from:

LAKE SYSTEMS CORP.
55 CHAPEL STREET
P. O. BOX 65
NEWTON, MASS. 02160
(617) 244-6881